s/133/62/coc/cc6/cog/c15 A054/A127

AUTHORS:

Muzalevskiy, G. G., Grishkov, A. I.

TITLE:

At the Thentrol'nyy nauchno-issledovatel'skiy institut cherry metallurgii im. i. P. Bardina (Central Selentific Research Latitate

of Ferrous Metallurgy im. I. P. Bardin)

PERIODICAL: Stal', no. 6, 1962, 541 - 542

The metal pressure on the rolls and the torques on the upper and lower spindles of the 1100 blooming mill were investigated by means of wire converters fixed to the supports of the stand and spindle bodies. A current collector designed by the TsNIIChM recorded for a considerable period the torques on both blooming spindles simultaneously. The oscillographic records were made during the rolling of 144 ingots of 19 steel grades. For some of the grades the following results were obtained:

Card 1/2

At the Tsentral'nyy... 3/133/62/00/00/00/00/00/00/

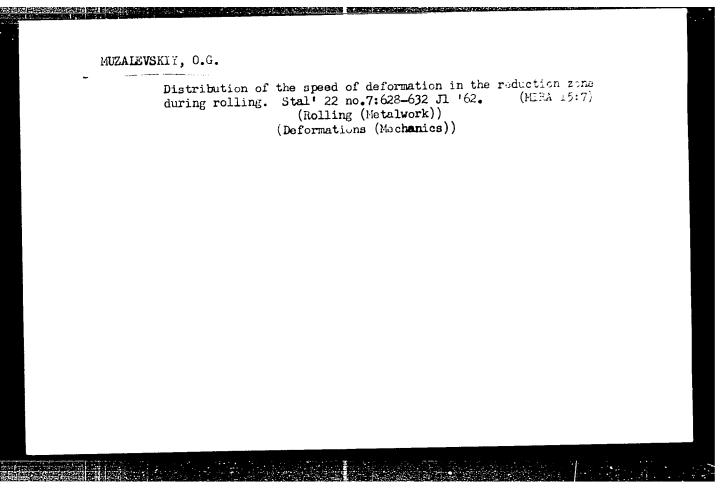
Steel grade Rail Carbon 35 FC 60 C2 1 X 18 H 9T Double 3 R 1 1 Steel steel (350S) (60S2) (1Kh18N9T) layer (E140G) (E140G)

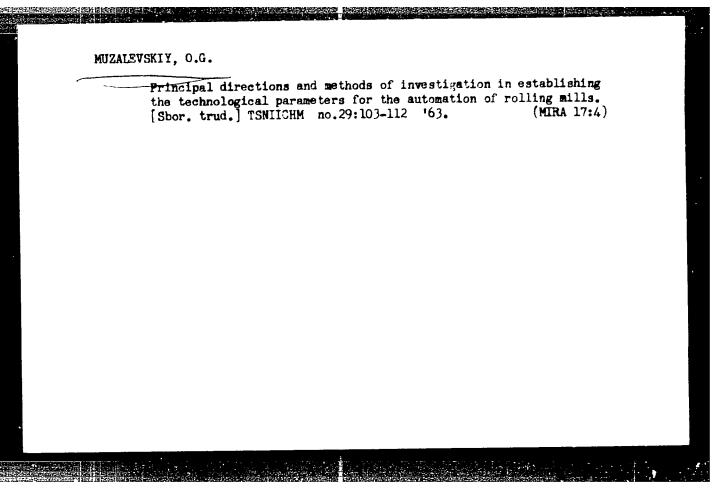
sure on the 500-1050 610-1290 600-1200 800-1380 500-1760 790-1730 rolls, t

Total rol-

ling mo- 97-177 110-235 102-195 100-192 - 77-188 74-177 40-16

The ratio between the rolling moment of the lower and upper rolls varies within a wide range. For rail steel and Cr.3km (St.3kp) blooms the ratio of moments on the barrel is 3 in the first 4 - 6 passes, from the fifth pass for the St.3kp blooms and the seventh pass for rail steel in the grooves, it varies between 1.25 and 1.75. The maximum variations in the moment ratics (up to 50) are altained in rolling EI171 and double layer slabs. In some cases the rolling moment on the upper roll was zero or negative; sometimes it was less on the lower rolling moment than on the upper. By recording the torques simultaneously on the upper indicates were also carried out regarding the operation of the main motor and auxiliary equipment, supplying data of motor load, rolling cycles, times of brows, etc.





MUZALEVSKIY, O.G.; RIVKIN, A.A.

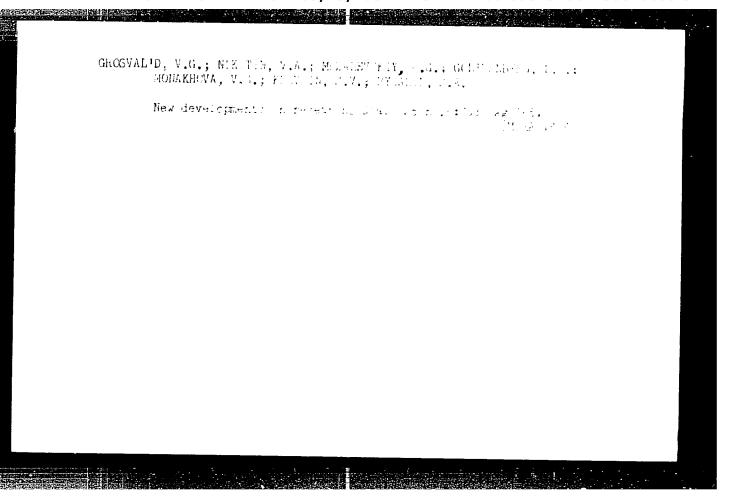
Searching for the optimal operating conditions of the 80% rail and structural steel mill. (Sbor. trud.) TSNIICHM no.29:128-137 (63. (MIRA 17:4)

MUZALEVSKIY, 0.G., kand.tekhn.nauk

Correlation between longitudinal height and transverse deformations in the reduction zone during rolling. Stal* 24 no.7:624-628 Jl *64. (MIRA 18:1)

MUVALEVSKIY, O.G., kand.teknn.nauk; hivn.h, a.A., inzh.

Developing technological parameters for the automation of three-high rall and structural steel rolling mills. Stall 23 no. 3:238-245 Mr '64. (MIRA 17:5)



MUZALEVSKIY, O.G., kand. tekhn. nauk; BUFTNEV, V.V., inzh.

Effect of roll stop;age on the distribution of zetal deformation in the zone of reduction during rolling. Stall 25 na.2:232-830 S '65.

(MIRA 10:0)

i. TSentral'myy nauchno-limienevstel'skiy institut cherney metallurgii.

NOVIKOV, V.; MATVEYEV, Yu.M.: REZHINGKIY, M.B.; BATIST, A.I.; ICSCEL!, G.; KOROLEV, M.; IV CTOCY, V.; ARONOV, I.; SVETIAKOV, V.; ZAYONCHIK, L.Z.; RASPOPOV, I.V.; SERDYGKOV, G.V.; GRISHKOV, A.I.; MAKEYEV, I.F.; DELLO, A.A.; SHUMNAYA, V.A., inzh.; SPIRYAGIN, L.P., inzh.; GRISHKOV, A.I.; KAHDONOV, B.A.; BURDIN, V.M., kand. tekhn. nauk; MOLGACHEV, D.A., inzh.; MUZALEVSKIY, C.G.; RIVKIN, A.A.; KEYS, N.V.; KOMISSAROV, A.I.

New developments in research. Stal! 25 no.8:842-845 3 165. (MIRA 18:9)

! !	L 38913-60 ENT(d)/ENT(m)/ENP(v)/ENP(t)/ETI/ENP(k)/ENP(h)/ENF(1) LJP(q) ACC NR: AP6017639 JD/ETY (Source Code: UR/0133/66/000/001/0050/005522
	AUTHOR: Dobronravov, D. N.; Lyambakh, R. V.; Stupnikov, E. G.; Shishkinskiy, V. I.; Burdin, V. M.; Muzalevskiy, O. G.; Yevdokimov, A. S.; Yegorov, Ye. P.; Leont yev, S. A.; Shesterkin, A. G.; Khusid, S. Ye.
	ORG: Central Automation Laboratory (Tsentral naya laboratoriya avtomatiki); TSNIIChM; Magnitogorsk Metallurgurical Combine (Magnitogorskiy metallurgicheskiy
Ī	kombinat)
	TITLE: Experimental operation of an automatic system for controlling strip thickness on the 2500 continuous sheet mill
	SOURCE: Stal*, no. 1, 1966, 50-55
	TOPIC TAGS: hot rolling, automatic control equipment, stell
-	ABSTRACT: An automatic control system was developed for regulating the thickness of steel strip, consisting of regulators of the gaps between the work rolls, and of a steel strip, consisting of regulators of the gaps between the stands. The automatic consystem stabilizing the tension of the strip between the stands.
	trol system yielded satisfactory performance data on the 2300 control of the longitudinal mill, and for the majority of the strip profiles studied, decreased the longitudinal mill, and for the majority of the strip profiles studied, decreased the longitudinal mill, and for the majority of the strips are notices and maintained a more accurate nominal strip thickness than variation in thickness and maintained a more accurate nominal strip thickness than had been possible before. In the presence of the automatic control system, the strips are rolled with deviations of no more than 10.05 mm (with the exception of
	strips are rolled with deviations of the motor
	Card 1/2 UDC: 621.771.23:65.011.56

L 38913-66

ACC NR: AP6017639

short rear portions of the strip, where the positive deviation reaches 0.1-0.15 mm). Without the automatic control system, the length of the strip ends thickened by 0.3-0.2 mm reaches 50-100 m. The decrease in the length of thickened portions of the strip and a more accurate control of nominal strip thickness result in a 1.5% average increase in strip length. Orig. art. has: 6 figures and 2 tables.

SUB CODE: 11,13/ SUBM DATE: none/ ORIG REF: 002/ OTH REF: 001

06260

6(4)

507/107-59-6-24/50

AUTHOR:

Muzalevskiy, 3. (Pavlodar)

TITLE:

Station UL7FA Operating

PERIODICAL:

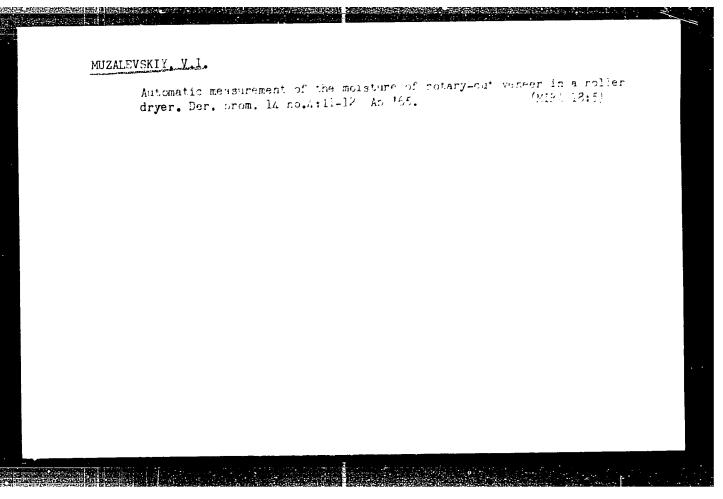
Radio, 1959, Nr 6, pp 21-22 (ULSR)

ABSTRACT:

The author tells of Andrey Mikhelev's activities in operating his amateur radio station UL7FA in Pavlodar. Within two years, Likhelev established telegraph communication with 125 oblast's of the USBR and 160 territories of the world and telephone communication with 70 USSR oblast's and 80 countries.

Card 1/1

CIA-RDP86-00513R001135810003-9" APPROVED FOR RELEASE: 03/13/2001

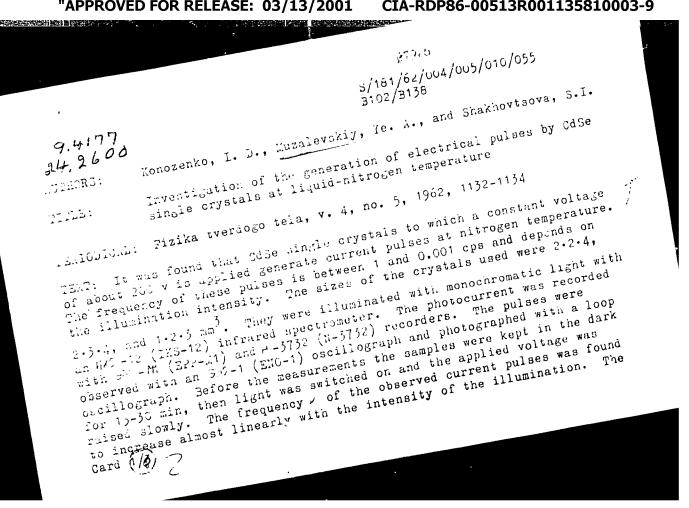


POLEVOY, Viktor Vasil'yevich; MUZALEVSKIY, Vladimir Vasil'yevich;
RAPPOPORT, P.I., otv.red.; D'YAKOVA, G.B., red.izd-wa;
MADEINSKAYA, A.A., tekhn.red.; PROZOROVSKAYA, V.L., tekhn.red.

[Standard equipment for mine hoists; a handbook] Tipovoe
oborudovanie shakhtnogo pod ema; spravochnik. Noekva, Ugletekhizdat, 1959. 270 p. (MIRA 12:6)

(Mine hoisting—Equipment and supplies)

CIA-RDP86-00513R001135810003-9 "APPROVED FOR RELEASE: 03/13/2001



3/181/62/004/005/010/055 Inventigation of the generation of ... B102/B138

curve $\nu(7)$ has a "shallow" minimum at ~ 300 v. When the sign of the voltage was altered, the shape, the amplitude and the frequency of the current pulses changed as shown in Fig. 5. The pulse generation could be damped and even suppressed by additional infrared illumination ($\lambda \approx 1 \mu$). When the temperature of the sample was raised the pulse amplitudes became lower and the durations longer. The effect of pulse generation was observed whether the contacts were obside or not. There are 5 figures.

ASSCOILTION: Institut fiziki AN USSR Kiyev (Institute of Physics of the

AS UkrSSR, Kiyev)

Legend to Fig. 5: (1) V direct, (2) V back.

December 11, 1961

32 rd 2/3 -

SUL ITTED:

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\$/185/62/007/003/015/015 D299/D301

AUTHORS:

Kononzenko, I.D., Muzalevs'kyy, Ye. and Shakhovtsova, S.I.

TITLE:

Crystal Generator of infra-low frequency pulses

FERIODICAL:

Ukrayins'kyy fizychnyy zhurnal, v. 7, no. 3, 1962, 338

In studying the photoelectric properties of CdSe single crystals at liquid-nitrogen temperature, the authors observed that a photocurrent was generated by these crystals. First investigations showed that the observed effect differed considerably from that those showed by Ye.A. Sal'kov and H.A. Fedorus (Ref.1: Fotoelektricheskiye observed by Ye.A. Sal'kov and H.A. Fedorus (Ref.1: Fotoelektricheskiye i opticheskiye yavleniya v poluprovodnikakh, Kiyev, Izd-vo AS UkrSSR, i opticheskiye yavleniya v poluprovodnikakh, Kiyev, Izd-vo AS UkrSSR, i opticheskiye yavleniya v poluprovodnikakh, Kiyev, Izd-vo AS UkrSSR, i opticheskiye yavleniya v poluprovodnikakh, Kiyev, Izd-vo AS UkrSSR, i opticheskiye yavleniya v poluprovodnikakh, Kiyev, Izd-vo AS UkrSSR, i opticheskiye yavleniya v poluprovodnikakh, Kiyev, Izd-vo AS UkrSSR, i opticheskiye yavleniya v poluprovodnikakh, Kiyev, Izd-vo AS UkrSSR, i opticheskiye yavleniya v poluprovodnikakh, Kiyev, Izd-vo AS UkrSSR, i opticheskiye yavleniya v poluprovodnikakh, Kiyev, Izd-vo AS UkrSSR, i opticheskiye yavleniya v poluprovodnikakh, Kiyev, Izd-vo AS UkrSSR, i opticheskiye yavleniya v poluprovodnikakh, Kiyev, Izd-vo AS UkrSSR, i opticheskiye yavleniya v poluprovodnikakh, Kiyev, Izd-vo AS UkrSSR, i opticheskiye yavleniya v poluprovodnikakh, Kiyev, Izd-vo AS UkrSSR, i opticheskiye yavleniya v poluprovodnikakh, Kiyev, Izd-vo AS UkrSSR, i opticheskiye yavleniya v poluprovodnikakh, Kiyev, Izd-vo AS UkrSSR, i opticheskiye yavleniya v poluprovodnikakh, Kiyev, Izd-vo AS UkrSSR, i opticheskiye yavleniya v poluprovodnikakh, Kiyev, Izd-vo AS UkrSSR, i opticheskiye yavleniya v poluprovodnikakh, Kiyev, Izd-vo AS UkrSSR, i opticheskiye yavleniya v poluprovodnikakh, Kiyev, Izd-vo AS UkrSSR, i opticheskiye yavleniya v poluprovodnikakh, Kiyev, Izd-vo AS UkrSSR, i opticheskiye yavleniya v poluprovodnikakh, Kiyev, Izd-vo AS UkrSSR, i opticheskiye yavleniya v poluprovodnikakh, Kiyev, Izd-vo AS UkrSSR, i opticheskiye yavleniya v poluprovodnikakh, Kiyev, Izd-vo AS UkrSSR, i opticheskiye yavleniya v polupro

Card 1/2

\$/165/62/007/003/015/015 0299/0301

Crystal generator of infra-low ...

current-intensity is 0.1 amp., at a voltage of 170-200 volts. The high stability of the frequency of pulse generation at constant illumination, the fairly high current-amplitude, and the possibility of fixing the frequency according to the intensity of illumination, permit development of a crystal generator of infra-low frequency pulses. Such a generator, operating at low temperatures, could be widely used in modern nerator, operating at low temperatures, could be widely used in modern low-temperature techniques. Its use as a photon counter is not excluded. There are 1 figure and 1 Soviet-bloc reference.

ASSOCIATION:

Instytut fizyky AN URSR (Institute of Physics of the

AS Ukr RSR), Kyyiv

SUBMITTED:

December 1, 1961

Abstractor's note: Complete translation.

Card 2/2

L 23940-65 EWT(m)/EWP(b)/T/EWP(t) IJP(c) JD ACCESSION NR: AP5003449 8/0181/65/007/001/0278/0279 AUTHOR: Shakhovtsova, S. I.; Konozenko, I. D.; Mazalevskiy, Ye. A. TITLE: On the generation of current pulses by CdS single crystals SOURCE: Fizika tverdogo tela, v. 7, no. 1, 1965, 278-279 TOPIC TAGS: cadmium sulfide, photoelectric effect, photoelectricity, electric pulse ABSTRACT: Samples of cadmium sulfide single crystals were shown to generate current pulses if exposed briefly to monochromatic or white light or to gamma radiation. The phenomenon was observed at temperatures of 330-270K (for some samples down to 77.3K), and the range of frequencies generated was from 0.2 to 0.05 cycles per second. The voltages measured on the samples corresponded to certain intervals of the illumination intensity. A sufficiently strong complementary filumination caused the phenomenon to disappear. The experiments were a followup to earlier experiments (I. D. Konozenko, Ye. A. Muzalevskiy, S. I. Shakhovtsova, FTT, 4, 1133, 1962; V. L. Vinetskiy, I. D. Kenezenko, S. I. Shakhovtsova, FTT, 5, 2698, 1963), in which Card 1/2

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the generative of star. Orig. are: hose: Z figu	I N. J. J. vie der bevo	Liu cada (um se lenda
ASSOCIATION: Institut AN Ukrssr)		1771
SUBMITTED: 23Ju164	ENCL: 00	SUB CODE: SS
NO REF SOV: 003	OTHER: 000	ATD PRESS: 3176

EWT(1)/T IJP(c) ACC NR: AP6007796 GG - SOURCE CODE: 119 -135/66/011/002/0171/0176 AUTHOR: Konozenko, I. D.; Muzalevs'kyy, Ye. O. Muzalevskii, Ye. .; Rovna, A. I.—Rovnaya, A. I.; Galushka, U. P.—Galushka, A. P.; Shmatko, H. H.—Shmatko, G. G.; Nikolayeva, L. H.—Nikolayeva, L. G. ORG: Institute of Physics. AN URSR, Kiev (Instytut fizyky AN URSR) 62 21, 14,55 TITLE: Preparation of single CdS crystals and their structural and physical B SOURCE: Ukrayins'skyy fizychnyy zhurnal, v. 11, no. 2, 1966, 171-176 TOPIC TAGS: single crystal, crystal lattice, crystal property, x ray analysis, photoconductivity, crystal lattice defect ABSTRACT: A procedure for obtaining large single crystals of CdS by the zone sublimation method is described. X-ray investigations of the defects in the structure of these crystals were carried out. It was shown that they are more perfect than those previously obtained (I. D. Konozenko, V. I. Ust'yanov, same source, v. 5, no. 5, 1960). The electrophysical properties were analyzed and the existence of a wide photoconductivity maximum was found. The depth of bedding and of trapping level concentrations were determined. On the basis of these investigations, it is possible to obtain purer single crystals of the A2B6 type compounds with an improved lattice by perfecting the technology. Orig. art. has: 6 figures.

SUB CODE: 20 SUBM DATE: 14Mar65/ ORIG REF: 004/ OTH REF: 006/	ACC NR: AP600	7796	·		*	7 -
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BRZOZOWSKI, Zdzislaw; JACKIEWICZ, Alodia; MUZALEWSKI, Feliks; STEFANSKI, Tadeusz; SZCZEPKOWSKA, Teresa

The obtaining of 3-sulfanilamido-6-methoxypyridazine. Rocz chemii 34 no.1:299-301 '60. (EEAI 10:9)

1. Laboratorium Badawcze Starogardzkich Zakl. Farmaceutycznych, Starogard Gdanski.

 $({\tt Methoxypyridazinyl sulfanilamide})$

POLAND

MUZALEWSKI, Peliks

Dept. of Organic Chemistry, Higher Normal School (Katedra Chemii Organicznej Wyzszej Szkoly Pedagogicznej), Gdansk

Wroclaw, Wiadomosci chemiczne, No 2, February 1966, pp 128-131

"On the reactivity of the amino group of sulfanilamides." (doctoral thesis)

MUZAL 400

127-58-6-19/25

AUTHOR:

Muzal'kov, M.I., Chief Mining Surveyor of the Sadon

ministration of Mines

TITLE:

The Geodetic Basis for the Sinking of Mine Shafts by Opposite Ends (Geodezicheskoye obosnovaniye prokhodki shakht-

nykh stvolov vstrechnymi zaboyami)

PERIODICAL:

Gornyy Zhurnal, 1958, Nr 6, pp 68-73 (USSR)

ABSTRACT:

The author describes the use of geodetic instruments and calculations to help the sinking of shafts by opposite ends with an admissible error of 1: 300,000. Both ends of the shaft met with no error. He finds that the excellent results achieved in different cases of shaft-sinking with the application of geodetic methods, entirely compensated for the loss of time involved in the preliminary geodetic

work.

There are 7 figures and 1 table.

ASSOCIATION: Sadonskoye rudoupravleniye (Sadon Administration of Mines)

AVAILABLE:

Library of Congress

Card 1/1

1. Geology 2. Shafts-Instrumentation

301/127-59-4-5/27 . 18

Kabisov, Kh.G. and Muzal'kov, M.I., Mining Engi-AUTHORS:

neers

The Stoping of Protecting Blocks in the Mines. TITLE:

(Otrabotka shakhtnykh okhrannykh tselikov.)

Gornyy zhurnal, 1959, Nr 4, pp 32-35 (USSR) PERIODICAL:

The losses of ore left in the protecting blocks ABSTRACT:

cut down the production figures of mines. On the other hand the eventual extraction of ore from these blocks involved large expenses and extensive preparatory operations. The authors proposed a new method consisting of the gradual replacement of the natural pro-

tecting block by an artificial one. The method was tried out at the Zgid polymetallic mine of the Sadon Mining Management, and was found to be reliable, comparatively inexpensive

and secure. In this particular case, it was

found that after the sinking of the main Card 1/2

SOV/127-59-4-5/27

The Stoping of Protecting Blocks in the Mines.

shaft, the vein formed a part of the protecting block. The method consisted in extracting horizontal layers and gradually filling in the empty space with rocks, and pouring a concrete mixture over them. (Figure 3). The method is described in detail. Such replacement of only one block gave an economy of 800,000 rubles without counting the value of the extracted ore. There are 2 sets of diagrams and 1 profile.

ASSOCIATION:

Sadonskoye rudoupravleniye. (The Sadon Mining Management).

Sard 2/2

MUZAL'KOV, M.I. Surface shifting in mining steeply dipping veins. Gor. zhur. no.4:67-70 Ap '60. (MIRA 14:6) 1. Glavnyy marksheyder Sadonskogo rudoupravleniya. (Mining geology) (Subsidences (Earth movements)

MUZAL'KOV, M.I.; KULYASHOV, F.M.; LUGANSKIY, Ye.A.

Underground parallactic traverse measurements with a permanent base rod. Gor.zhur. no.9:52-55 S '60. (MIRA 13:9)

1. Zadonskoye rudoupravleniye, poselok Mizur Severo-Osetinsloy ASSH. (Mine surveying)

MUDAL'KOV, Mikhail Ivanovich; BELYAYEV, B.I., etv. red.; SLAVOROSOV,
A.Kh., red.isd-va; IL'INSKAYA, G.W., tekhn. red.

[Mine surveying operations in shaft sinking by means of workings which meet] Marksheidersko-geodesicheskie raboty priprokheike i uglubke shakhtnykh stvolov vatrechnymi saboiami.

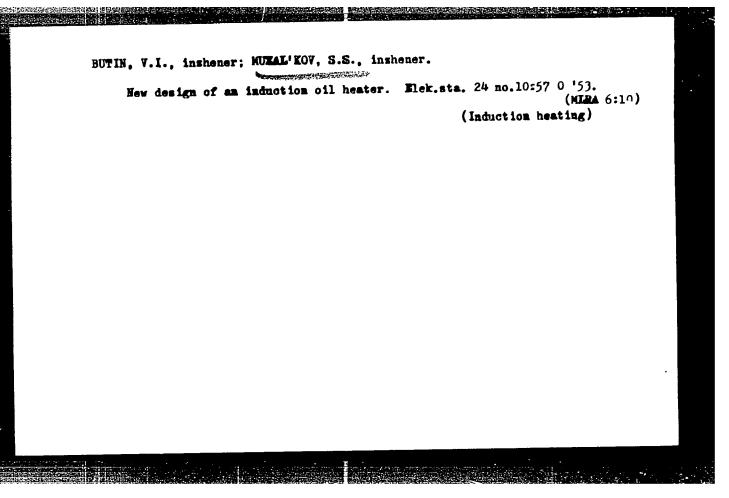
Moskva, Gosgortekhizdat, 1963. 186 p. (MIRA 160)

(Mine surveying) (Shaft sinking)

SINDAROVSKIY, N.S.; SHPITAL NIKOV, A.G., kand. ekonom. nauk; MUZAL KOV, M.I.

Quality of nonferrous metal ores and the profitableness of production (discussion of the article by B.F. Novozhilov). Gor. zhur. no.10:17-22 0 463. (MIRA 16:11)

1. Glavnyy inzh. Gosudarstvennogo instituta proyektirovaniya predpriyatiy promyshlennosti tsvetnykh metallov (for Sindarovskiy). 2. Glavnyy ekonomist Gosudarstvennogo instituta proyektirovaniya predpriyatiy promyshlennosti tsvetnykh metallov (for Shpital'nikov). 3. Glavnyy marksheyder Sadonskogo rudoupravleniya (for Muzal'kov).



MUZAVOVA, N.I., aspirant

Roentgenological image of the isthmus and cervix uteri in sterile women. Ped. Akush. i gin. 24 no.6:40-42 '62.

(MIRA 17:4)

1. Otdeleniye neoperativnoy ginekologii (zav. - prof. Ye.P. Mayzel! [IE.P. Maizel!]) Instituta akusherstva i ginekologii AMN SSSR (direktor - prof. M.A. Petrov-Maslakov).

MUZDEKA, Gojko (Eng.)

"Froblem of the highest temperature in the regulations for construction of overhead lines"

So: ELEKTROFRIVREDA, May - June 1955

MUZDEKA, G.

Economic den ity of electric current in overhead lines. p. 1

FLEKTROPRIVRE A. Beograd, Vol. 9, No. 1, Jan. 1956

SO: EEAL, Vol. 5, No. 7 July 1956

KOVAC, Bela, dipl. tehn., saradnik (seograd, Vjekoslava čovaca 8); MZDEKA, Slobodan, inz., saradnik; SCBAJIC, Miodras, inz., saradnik

Geiger-Müller counters as switching elements in the coincidence and anticoincidence circuits. Tehnika Jug 19 no.6: Supplement: Madicizotopi zrac 3 no.6:1015-1016 Je 164.

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R001135810003-9

L 04136-67 ACC NR: AP6020193

(A)

SOURCE CODE: YU/0009/65/000/006/0581/0591

AUTHOR: Muzdeka, Svetolik (Colonel)

30 G

ORG: none

TITLE: Special features of the organization of nuclear actions

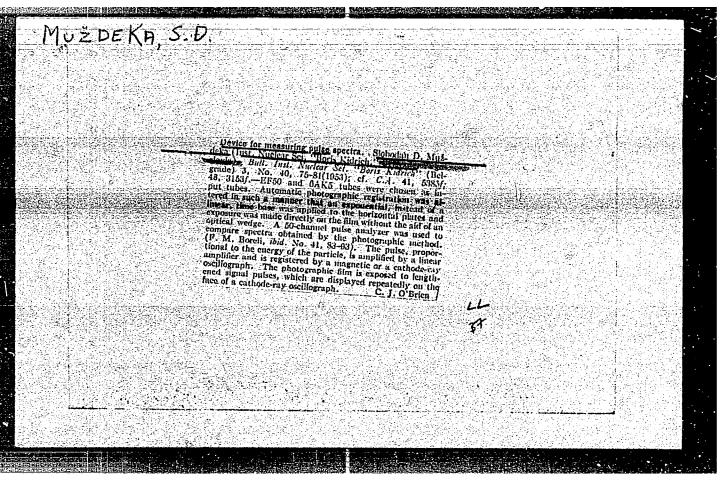
SOURCE: Vazduhoplovni glasnik, no. 6, 1965, 581-591

TOPIC TAGS: nuclear warfare, nuclear weapon delivery, air force organization, tactical warfare

ABSTRACT: The author discusses the general characteristic features of the organization of nuclear actions, general protective measures (navigational, meteorological, air defense measures, etc.), the special character of planning several simultaneous nuclear thrusts, and the organization of single nuclear strikes of It is concluded that each nuclear strike must be planned separately according to the prevailing situation. Simultaneous use of several nuclear devices requires the organization of fighting forces at the highest level of air command. Various protective measures are of paramount importance. Any nuclear mission must be carefully and continuously observed. During nuclear strikes sufficient means and forces should be kept in reserve. The choice of the location of the reserve nuclear carrier and its degree of readiness

Card 1/2

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Card 2/2	ig		M P N



MUZDRAKOV, G.

Muzdrakov, G. My experience in developing forest shelter walts. p.31.

Vol. 10, no. 10, Oct. 1955 KOUPERATIVNO ZE.ELELIE Sofiya, Bulgaria

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 2 February, 1956

MUZDRAKOV, G. - Gorsko Stopanstvo

Experiment with trimming amorphous trees in shelter belts. p. 185 (GORSKO STOPANSTVO Vol. 11, No. 4, Apr. 1955)

SO: Monthly list of East Suropean Accession, (EEAL), IC, Vol. 4, No. 9, Sept. 1955, Uncl.

WOLCKG, J.; MUZELAK, R.; IVAN, J.; MELICH, O., KUDIA, VI.; IOKADIAN, It.

Obstetrical surgery in maternity homes in the rigion of mastern Slovakia and its relation to perinatel mortality. Cesk. gynek. 29 no.6:545-549 Ag '64.

1. Gyn.-por. klin. Lek. fak. University F.J. Dafarika v Kosiciach (prednosta doc. dr. K. Poradovsky, A.c.).

MUZEN, PETAR	ag .
	8
Cuzen, Petar, Sur les bases des fonctions continues.	
(1939). The author states conditions under which a sequence of functions of the form	
$\int_{-\infty}^{\infty} \psi_k(\lambda) \varphi(x,\lambda) d\gamma(\lambda), \qquad k=1,2,\dots,$ spans the space of continuous functions. Proofs are omitted but some examples are obtained by specialization.	
R. P. Boas, Jr. (Providence, R. I.).	
Source: Mathematical Reviews, Vol 111 No. 3	

TAMAMAYEV, I.V., MUZETSKAYA, I.B., MINOGEADOVI, A.D.

Chemistry, Analytic

Physico-chemical analysis of systems which are significant in analytical enertistry. Zhur.anal.khim., 7, no. 1, 1252.

MUZEVIC, M., inz.

Organization of serial production with regard to technical documentation. Strojarstvo 4 no.9/10:145-148 '62.

s/101/60/000/004/005/005 A051/A129

AUTHOR:

Muzeymnek, Yu. A.

TITLE:

The replacement of anti-slipping roller bearings of rotating

furnaces by anti-friction bearings

PERIODICAL:

Tsement, no. 4, 1960, 27-28

An outline is given of some of the theoretical foundations for the expediency of replacing anti-slipping bearings in roller-type supports of rotating furnaces by anti-friction bearings and some of the demands placed on the latter are listed. The author points out that in designing the supports of rotating furnaces the body should be regarded as a staticallyundefinable multi-stand beam, which can transmit its weight to supports in quite a non-uniform manner due to various weights of a linear unit in the body. During the functioning of the furnace the weights can be redistributed on the supports. The main advantages of the anti-slipping bearings are listed as being the ability of such supports to withstand substantial overloads and a high temperature of lubrication. Anti-friction bearings would not be advisable, according to the author, if the latter are located in the

Card 1/4

S/101/60/000/004/005/005 A051/A129

The replacement of anti-slipping...

supporting roller where the load can exceed 200 - 500 tons and a radial load on each bearing of 80 - 200 t. The axial component of the load on the bearing can reach values close to that of the radial one. It is pointed out that the construction of rotating furnace supports using the anti-friction bearings is difficult to realize, unless a high supply of stability is allowed for. Two conditions must be taken into account when constructing the supports of the rotating furnaces with anti-friction bearings: 1) constant checking of the load on the support, 2) calculating the bearings for receiving both radial and axial loads, making allowance for the fact that the magnitude of the axial load can come close to that of the radial one. The author states that the load check can be carried out by tensiometric methods, using ordinary tension pickups of resistance and a proportional relationship between the tension in the walls of the body and the load on the support. It is stressed that the assembly of the resistance tension pickups should be conducted in places of the supporting body not subjected to axial loads, in order to decrease the discrepancies in measuring the values under control. It is suggested to mount two tension pickups on one arm of the bridge scheme being assembled. The calibration of the bridge scheme of the tension

Card 2'/4

\$/101/60/000/004/005/005 A051/A129

The replacement of anti-slipping...

pickups can be carried out using hydro-jacks, usually applied in assembling and disassembling the supports. The author states that a check of the load on the supports would facilitate the correct functioning of the furnace and prolong the life-span of the brick lining. Galvanometers or sensitive ammeters can be ed as instruments for measuring the loads periodically on the supports. If an automatic checking is necessary, the pulses of the bridge schemes of the tension pickups must be amplified after which these can be led out to the control panel of the furnace. It is pointed out that the radial component of the load will function constantly, but the greater axial component only for shorter periods of time. It is impossible to design anti-friction bearings with a large stability reserve. The double-row cone-shaped bearings would have to be made with a large contact angle, but even in this case the rows of rollers in one bearing would function with a significantly non-uniform load: one row would accept the greater part of the radial load and the entire axial load. It is suggested using combined bearings in the supports, each of which would consist of a radial and an axial bearing. A cylindrical roller bearing with short rollers could be used as the radial bearing. As the supporting bearing a thrust anti-slipping collar should be used similar to the type widely used to-day in anti-

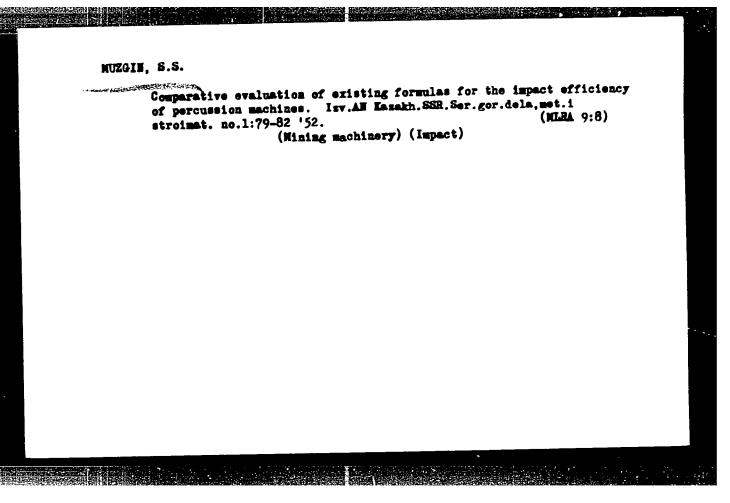
Card 3/4

The replacement of anti-slipping...

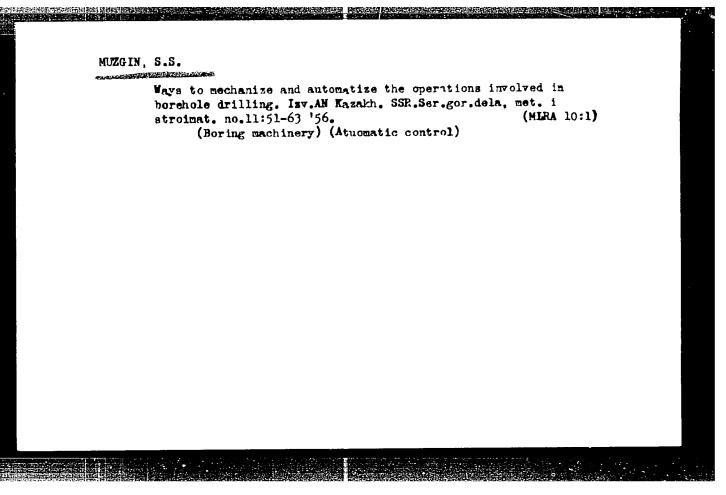
S/101/60/000/004/005/005 A051/A129

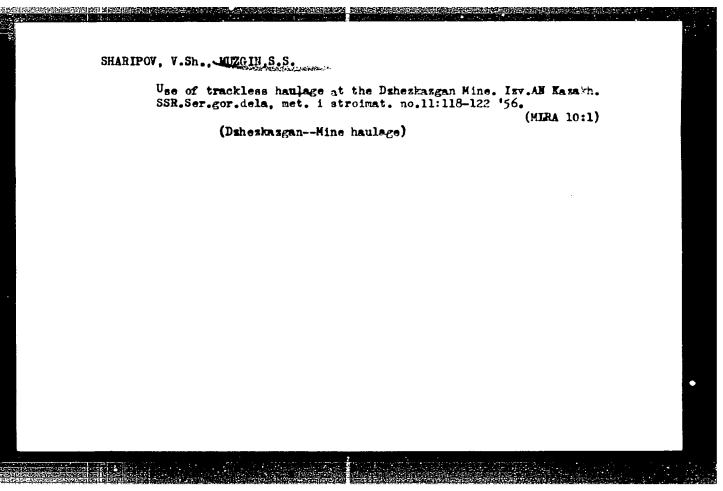
slipping bearings. It is suggested that this type of support would be highly effective, since the duration of the action of the axial load in a correctly-regulated movement of the furnace would be only a small percent of the general time balance in the work of the support.

Card 4/4



Using the	DorHII impact testing machine to evaluate roc Trudy Inst. gor. dela AH Kasakh. SSR 1:77-82				ek breaking	
strongen.	Trudy inst	Rocks-	Testing)	Jun 1:77-02	(MIRA 11:1)	





MUZGIN, S.S.; MUSIN, A.Ch.; MUZGIN, S.S.; LYSENKO, I.Z.; RADCHENKO, G.A.;

TRET YAKOV, A.M.

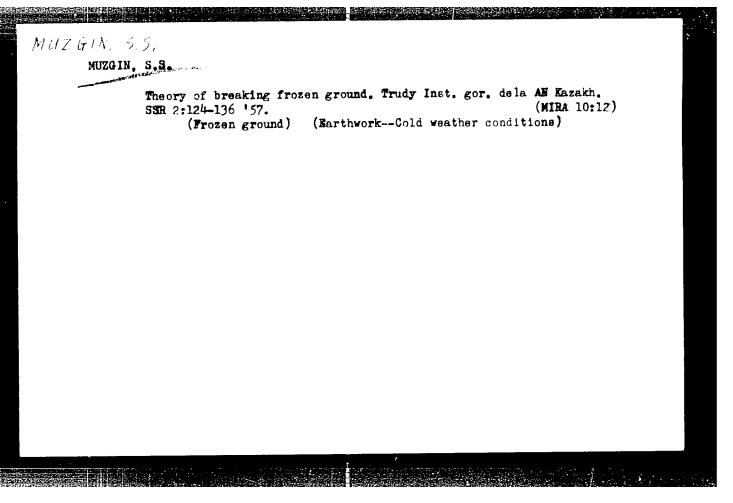
Improvements in the technology of ore mining in Dzhezkazgan, Trudy
Inst. gor. dela AN Kazakh. STR 2:24-43 '57. (MIRA 10:12)

(Dzhezkazgan--Mining engineering)

MUZGIE, S.S.; ARTAMOHOVSKIY, O.Yu.

Loading equipment for the Dzherkasgan mine. Isv. AN Kazakh. SSR.
Ser. gor. dela, met., stroi. i stroimet. no.2:100-108 '57.

(Wining machinery) (Ore handling) (MLRA 10:9)



AUTHOR: Muzgin, S.S. (Engineer)

100-4-9/16

TITLE: On the publication by V.A. Cherkashin, Cand. Tech. Sci., "The Working of Clay and Sand Pits During the Winter". (O broshyure Kand. Tekhn. Nauk. V.A. Cherkashina).

PERIODICAL: "Mekhanizatsiya Stroitel'stva" (Mechanisation of Construction), 1957, Vol.14, No.4, pp.23-24 (USSR).

ABSTRACT: This booklet was published by "Gosudarstvennoye Izdatel' stvo Literatury Po Stroitel'stvu I Arkhitekture" in 1955. The author discusses the chapter, "The Digging and Breaking Up of Frozen Clay and Sand by Excavators with Specially Adapted Buckets". This experimental bucket is provided with spikes to break up the material by impact which is effected by a pneumatic hammer OMCN-5. Investigations were carried out by A.N. Zelenin who showed that the 2-3 kg/m impact onto the spikes of the bucket is not sufficiently strong for an efficient breaking up process. Diagram No.1 shows the relation between the effective breaking up and various magnitudes of impact. The excavator was tested on light clay (14% moisture content) at a temperature of -4°C. An impact of 10 kg/m was found to be effective. But for this impact the construction of the bucket had to be strengthened. Diagram 2 illustrates the effect of the impact of

On the publication by V.A. Cherkashin, Cand. Tech. Sci.,
"The Working of Clay and Sand Pits During the Winter". (Cont.)

100-4-9/16

the spikes on the frozen ground, the spikes being placed
at different distances (c/c). When the spikes are 15 to
20 cm apart a direct impact of 5000 to 7000 (weight behind
the impact) is required to eliminate ridges between the
points of direct impact. This applies to frozen clay with
18-19% of moisture worked with a bucket of 0.5 m capacity.
When the spacing of the spikes lies between 10 to 12 cm no
ridges of frozen clay are left between the impact points.
There are 2 diagrams.

AVAILABLE:

MUZGIN, S.S.; ARTAMOHOVSKIY, O.Yu.

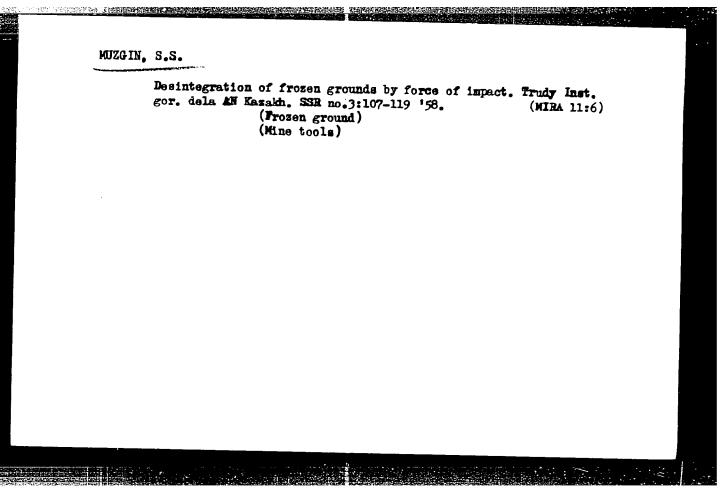
Bulldozer for underground mining. Izv. AN Kazakh. SSR. Ser. gor dela no.2:100-105 '58. (MIRA 12:10)

(Mining engineering) (Bulldozere)

MUZGIN, S.S., kand. tokhn. nauk

Transportation machines for operating in a complex with underground excavators. Gor. zhur. no.7:41-42 J1 '64. (MRA 17:10)

1. Institut gornogo dela AN KazSSA.



SHARIPOV. Vekhit Sharipovich, kand.tekhn.nauk; KUNTUKOV, Yuriy Grigor'yevich, insh.; MUZGIN, Sergey Spiridenovich, kand.tekhn.nauk; TKACHENKO, Artem Mikhaylovich; THET'YAKOV, Aleksey Mikhaylovich, insh.; SHCHENBAK, Georgiy Sergeyevich, insh.; TARASOV, L.Ya., red.; PARTSEVSKIY, V.E., red.izd-va; ATTOPOVICH, M.K., tekhn.red.

[Hole drilling equipment] Karetki i agregaty dlia burenias shpurov. Hoskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tevetnoi metallurgii, 1959. 134 p. (MIRA 12:4)

1. Institut gornogo dela AN KarSSR (for all except Tarasov, Partsevekiy, Attapovich).

(Boring machinery)

SCV/127-59-1-18/26

AUTHORS:

Bupezhanov, M. K., Director, and Shapirov, V. Sh., and

Muzgin, S. S., Candidates of Technical Sciences

TITLE:

Rail-less Machines for Mining Faces in the Dzhezkazgan Mine (Bezrel'sovyye zaboynyye mathiny na Dzhezkazganskom

rudnike)

PERIODICAL:

Gornyy zhurnal 1959, Nr 1, pp 60-63 (USSR)

ABSTRACT:

The State Scientific-Technical Committee at the Council of Ministers of the Kazakh SSR, the Karaganda State Council of the National Economy, the Institute of Mining Engineering of the AS Kazakh SSR and the Kazakh Scientific-Technical Society of Non Ferrous Metals organized a conference during 1958. The introduction of new underground technology in the Dzhezkazgan Mines was the object of special attention during this conference. The introduction of the following railless mining equipment was recommended: a self-propelled, 2-4 drill drilling rig; a rig for drilling blast holes of 60-70 mm diameter; a straight shovel excavator, provided with telescopic device and a 0.8 - 1.00 cu m bucket; selfpropelled griper; 5-10 ton capacity trolley- and diesel

Card 1/2

307/127-59-1-18/26

Rail-less Machines for Mining Faces in the Dzhezkazgan Mine

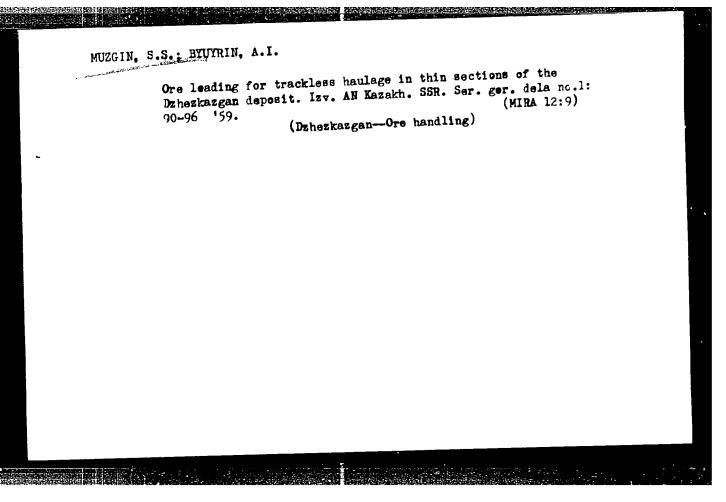
type dump trucks; 10-20 ton capacity self-propelled cars; self-propelled scaffold for checking of the ceilings, prop assemblies. Trial or ration of a mining section, furnished with the above mentioned machinery was demonstrated to the members of the conference. Technical data on the described machinery is given. There are 4 photos, 1 diagram and 2 Soviet references.

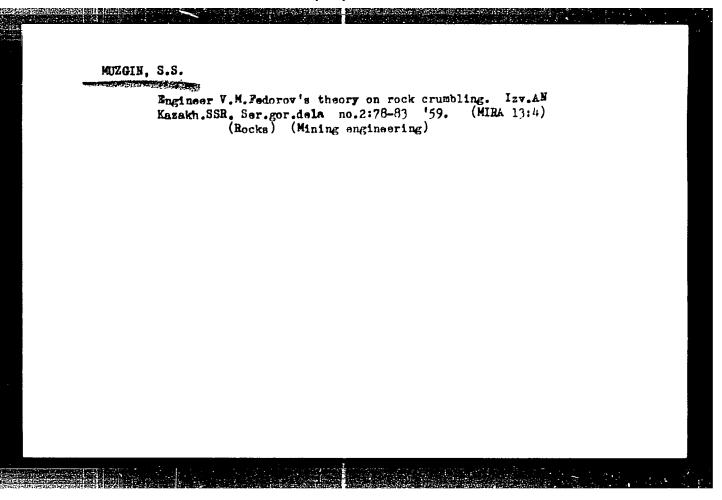
ASSOCIATION:

Dzhezkazganskoye rudoupravleniye (The Dzhezkazgan Mining Management) (IGD AN Kazida) (The IGD AS Kazakh dSR),

Alma-Ata

Card 2/2





S/123/61/000/020/033/035 A004/A101

AUTHORS: Muzgin, S. S., Artamonovskiy, O. Yu.

TTTLE: On an expedient type of underground bulldozer

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 20, 1961, 4, abstract 20Ts38 ("Izv. AN KazSSR. Ser. gorn. dela", 1960, no. 1 [12], 59-64,

Kazakh summary)

TEXT: The authors describe the $E\Pi$ -1 (BP-1) underground bulldozer (for read levelling, cleaning the floor of mine workings, etc.) with hydraulic frame, developed by the Institute of Mining, AS KazSSR, and the Chelyabinskiy zavod dorozhnykh mashin im. Kolyushchenko (Chelyabinsk Plant of Road Machinery) on the base of the C-100 $\Gamma\Pi$ (S-100 GP) tractor. The BP-1 bulldozer can be powered either by a diesel engine or an electromotor. Bulldozers with diesel drive should be equipped with a scrubber of the catalytic type or a scrubber for the should be equipped with a scrubber of the catalytic type or a scrubber for the should be equipped with a scrubber of the catalytic type or a scrubber for the should be equipped with a scrubber of the catalytic type or a scrubber for the should be equipped with a scrubber of the catalytic type or a scrubber for the should be equipped with a scrubber of the catalytic type or a scrubber for the should be equipped with a scrubber of the catalytic type or a scrubber for the should be equipped with a scrubber of the catalytic type or a scrubber for the should be equipped with a scrubber of the catalytic type or a scrubber for the should be equipped with a scrubber of the catalytic type or a scrubber for the should be equipped with a scrubber of the catalytic type or a scrubber for the should be equipped with a scrubber of the catalytic type or a scrubber for the should be equipped with a scrubber of the catalytic type or a scrubber for the should be equipped with a scrubber of the catalytic type or a scrubber of the scrubber of the catalytic type or a scrubber of the should be equipped with a scrubber of the catalytic type or a scrubber of the scrubber of the catalytic type or a scrubber of the scrubber of the catalytic type or a scrubber of the scrubber of the catalytic type or a scrubber of the scrubber of the catalytic type or a scrubber of

card 1/2

S/123/61/000/020/033/035
On an expedient type of underground bulldozer
A004/A101

- 90 HP, electric drive - 55 kw. It is pointed out that for the haulage of ore,

- 90 HP, electric drive - 55 kw. It is pointed out that for the hadrage of the EH -2 (BP-2) bulldozer has been designed with a horsehoe moldboard. For small-scale work the BP-1 bulldozer can be fitted with a moldboard of the BP-2 type.

I. Faybisovich

[Abstracter's note: Complete translation]

Card 2/2

SHARIPOV, V.Sh., kand.tekhn.nauk; MUZGIN, S.S., kand.tekhn.nauk; EUPEZHANOV, M.K.

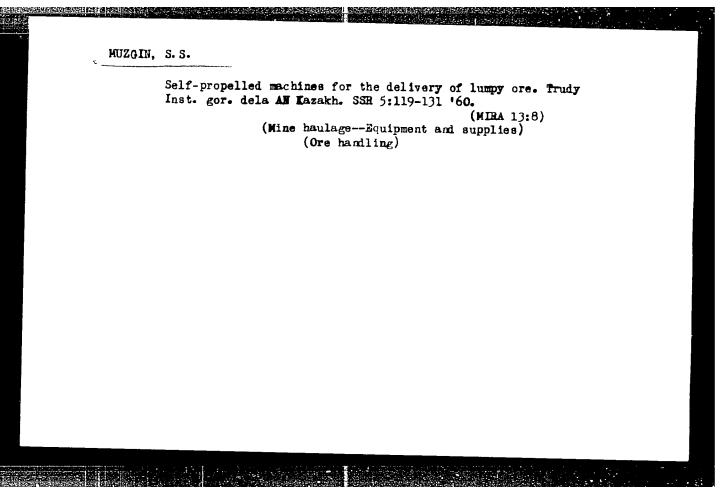
Experimental use of trackless, self-propelled machinery in the .
Saheakasgan Mine. Gor.ahur. no.3:41-44 Mr '66. (MIRA 14:5)

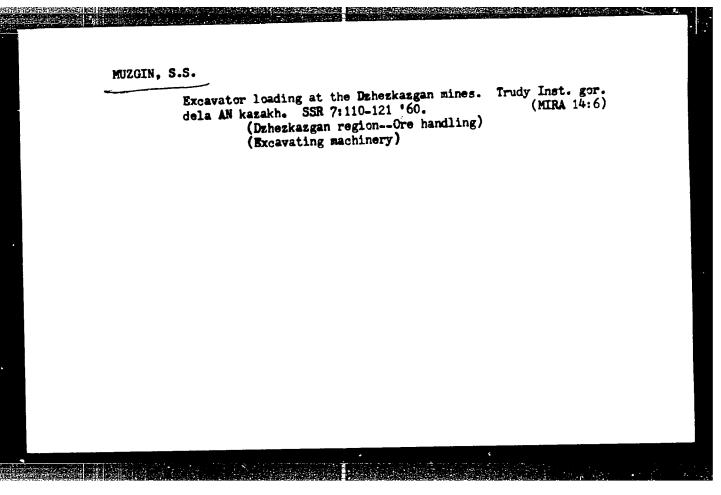
1. Institut gornogo dela AN KazSSR (for Sharipov, Muzgin).
2. Direktor Dzhezkazganskogo rudouprovleniya (for Eupezhanov)
(Dzhezkazgan region—Mining machinery)

MUZGIN, S.S.; ARTAMONOVSKIY, O.Yu.

Trailing cable reeling device on self-provelled mining machines.
Trudy Inst. gor. dela AM Mazakh, SSR 4:115-125 '60.
(MIRA 13:9)

(Mining machinery--Electric driving)





SHARIPOV, Vakhit Sharipovich; MUZGIF, Sergey Spiridonovich; BUPEZHANOV,
Mukhit Kuldzhanovich; TKACHENKO, Artem Mikhaylovich; ARTAMONOVSKIY,
Oleg Yur'yevich; KULAKOV, Arkadiy Yakovlevich, Prinimali uchastiye:
KAZYBEKOV, D.M.; IBRAYEV, Sh.I.; ISTOMIN, S.H., otv.red.; GEYMRI, L.M.,
red.izd-va; SIPYAGINA, Z.A., red.izd-va; SAL'TSOVSKIY, M.S., red.izd-va;
MAKSIMOVA, V.V., tekhn. red.

[Self-propelled machines for underground workings of ore deposits] Samokhodnye mashiny dlia podzemnoi razrabotki rudnykh mestorozhdenii. By V.Sh.Sharipov i dr. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu, 1961. 258 p. (MIRA 14:12)

(Mining machinery)

KCZLO, V.K.; MVZCIN, E.S.

Choice of a drive for an anistropound excavator. Lev. All Fazaki... SR. Ser. gov. dei. no. 1 5...67 fd. (NIRA 15:2 (Excevuting machinery))

BYUYRIN, A.I.; MIZGIN, S.S.

Effect of oversized pieces of ore on the productivity of an excavator in underground mining. Trudy Inst.gor.dela AN Kazakh.

(MIRA 15:4)

(Excavating machinery)

ARTAMONOVSKIY, 0.Yu., inzh.; MUZGIN, S.S., inzh.

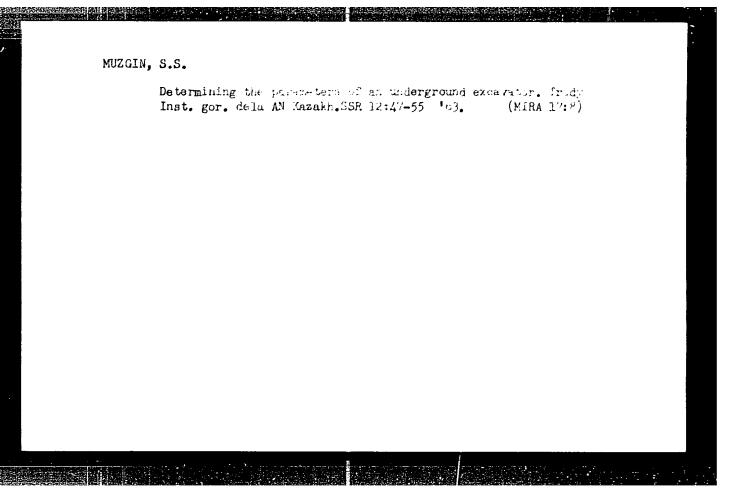
Bulldozer's moldboard for moving rocks. Stroi.idor.mash. 7
no.2:20 F *62. (MIRA 15:5)

(Bulldozers)

ARTAMONOVSKIY, 0.Yu.; MUZGIN, S.S.

Linear stability of underground bulldozers. Trudy Inst.gor.dela
AN Kazakh.SSR 9:163-170 '62. (MIRA 15:8)

(Bulldozers)



MUZGIN, S.S.; GEORGIYEV, Yu.F.; YUPATOV, E.V.

Testing the EP-1 underground excavator in the Dzhezkazgan Mine.
Trudy Inst. gor. dela AN Kazakh. SSSR 10:50-63 '63. (MIRA 16:8)

(Dzhezkazgan District--Excavating machinery--Testing)

MUZGIN, S.S.; GEORGIYEV, Yu.F.; YUPATOV, E.V.

Study of telescopic operating equipment of underground excavators.
Trudy Inst. gor. dela AN Kazakh. SSR 11:48-57 '63. (MIRA 16:8)

(Excavating bachinery)

KUNTUKOV, Yu.G.; MUZGIN, S.S.

Changes in the true rate of boring dependent on the depth of the boreholes in boring with a perforator with an independent rotation of the rod bores. Izv. AN Kazakh. SSR. Ser.tekh. i khim.nauk no.3: 65-68 '64. (MIRA 17:2)

ISELLIN, J.C.; ARTAMONIVENER, C. Co., PROTIVEV, YM.F.; YMPATOV, P.Y. CHOLL, C.A.

Investigating an anderground bills wer-loseer at the Cahezkazgan Mine. True, insc., per. dela AN Kazakh.

GCR 13:98-114 (64.).

VEIRA 17:7)

ARTAMONOVSKIY, O.Yu., kand.tekhn.rauk; MUZCIN, S.S., kand.tekhn.rauk

Effect of a tractor suspension system on the precision control of
a bulldover blade. Stroi. i cor. much. 9 no.12:9-16 D '64.

(MIRA 18:3)

YAME CLISKIY, E.M., inzh.: MACHULISKIY, F.P., inzh.; MUZCIN, J.S., kend. tekhn. nauk

Using self-propelled equipment in mines of the Novom skevsk
Gypsum Combine. Gor. zhur. no.4:6-10 An '65. (MIRA 18:5)

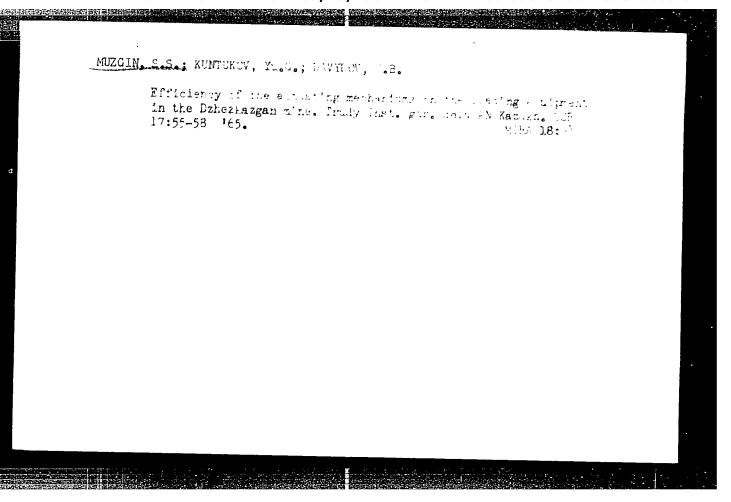
1. Novomeskevskiy gipsovyy kombine: (for Yampoliskiy, Macculickiy).

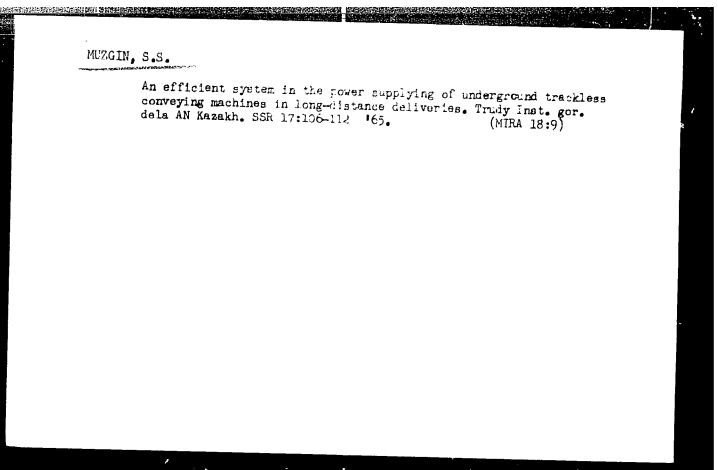
3. Institut gornoge dela AN Kazakhozoy duR (for Muzgin).

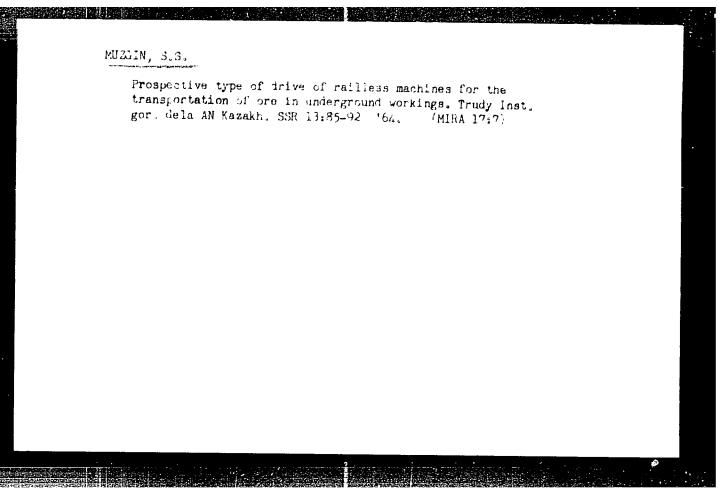
MUZGIN, S.S.; SHOL', O.A.

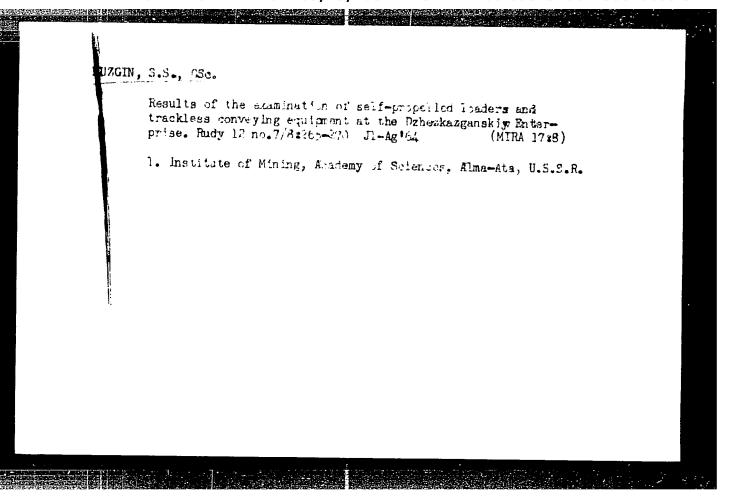
Investigating feeder cable equipment of self-propelled mining machines. Trudy Inst. gor. dela AN Kezakh. SSR 17:93-101 '65.

(MIPA 18:9)









MUZGIN, V.N.; ZOLOTAVIN, V.L.; GAVRILOV, F.F.; BALAYEV, V.N.

Spectral analysis of vanadium by the vaporization method. Zav. lab. 30 no.6:697-699 *64 (MIRA 17:8)

1. Ural*skiy politekhnicheskiy institut imeni Kirova.

PUZARO, V.D.; MUZCIN, V.I.; VIL'OCRADOV, G.K.

[ettling of kaclin suspensions under the effect of a flocculating agent. Izv.vys.uchob.zav.;khim.i khi .tekh. 4 no.3:509-511 '61. (MIRA 14:10)

1. Ural'skiy politellnicheskiy institut imeni Kirova, kafedra radiokhimii. (Kaolin)

	Sorption of hydrolyzed ions of the elements of the groups VII and VIII by cation—exchanging resins. Zhur.neorg.khim. 7 no.7:1730-1735 Jl *62. (MIRA 16;3)						
	l. Ural'skiy polite (Sorption)	ekhnicheskiy institut.	(Ion exchange reside)				
*							

MUZGIN, V.N.; ZOLCTAVIN, V.L.; GAVRILOV, F.F.

Chemical-spectral method for determining impurities in vanadium. Zhur. anal. khim. 19 no. 1:111-116 '6... (MIRA 17:5)

1. Ural'skiy politekhicheskiy institut, Sverdlovsk.

L 6457-66 EWT(1)/ETC/EWG(m)/T/EWA(g) IJP(c) AT ACCESSION NR: AP5019855 UR/0181/65/007/008/2379/2382

AUTHOR: Mushdaha, V. M.; Parfen'yev, R. V.; Shalyt, S. S.

TITIE: Magnetophonon oscillation of the thermoelectric power in n-IngSb in a longitudinal magnetic field 2/,4%

SOURCE: Fizika tverdogo tela, v. 7, no. 8, 1965, 2379-2382

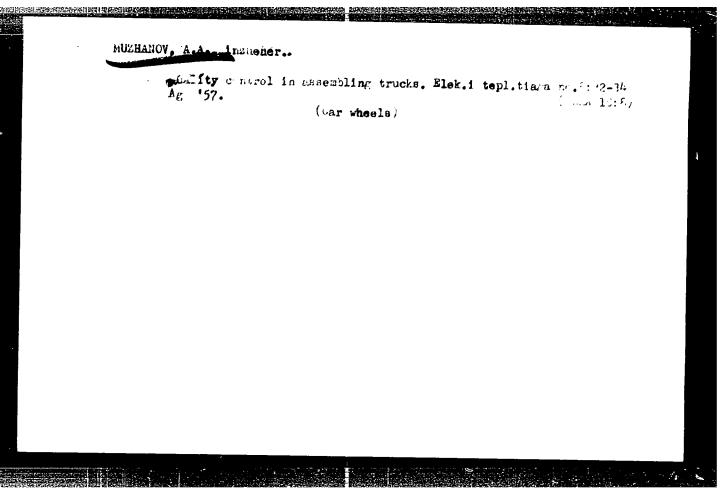
TOPIC TAGS: thermoelectric power, phonon, phonon interaction, indium compound, magnetoresistance, electron mobility "

ABSTRACT: This is a continuation of earlier work by the authors (FTT v. 6, 3193, 1964; ZhETF v. 47, 444, 1964) dealing with magnetophonon resonance in the thermoelectric power and magnetoresistance of n-InSb. The present article contains additional experimental results, showing how the magnetophonon resonance manifests itself in samples with various electron densities and mobilities, and covering a wider range of temperatures (5.5 x 10^{13} --3.9 x 10^{17} cm⁻³, 3.7 x 10^4 --7 x 10^5 cm^{-/}/v.sec, 68--300K). Oscillations were observed in the dependence of the magnetic thermoelectric power on the field, due to the magnetophonon resonance, in agreement with the theoretical predictions of V. L. Gurevich and Yu. A. Firsov (ZhETF v. 40, 199, 1961). The oscillations have a maximum near 200K and decrease both at lower and at higher temperatures. They also decrease with decreasing mobility at a fixed

Card 1/2

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JSC 58

S/020/62/143/001/011/030 B104/B108

L6. L317

AUTHORS:

Arifov, U. A., Academician AS Uzbekskaya SSR, Gurich, D. D.,

Mirrakhimova, Kh., and Muzhavirov, S. Z.

TITLE:

Investigation of secondary processes caused by fast neutral

atoms of alkali metals

PERIODICAL:

Akademiya nauk SSSR. Doklady, v. 143, no. 1, 1962, 69-71

TEXT: The experimental arrangement consisted of a source of fast neutral atoms and a semispherical collector (85 mm diameter) with a Ta target (10.10 mm) in its center. The working vacuum was 5.10-7 mm Hg. The fast neutral atoms were obtained by resonance charge exchange of Na⁺ ions in an Na vapor jet perpendicular to the Na⁺ beam. The flux of the primary ions was measured before and after resonance charge exchange. The flux of neutral atoms was determined from this difference. According to the results, the secondary emission during interaction of fast neutral Na atoms with pure Ta targets and such covered with residual gas films is similar to the secondary emission induced by Na⁺ ions interacting with Ta targets. Scattered positive ions with high energies are observed in both cases.

Card 1/2

Investigation of secondary ...

S/020/62/143/001/011/030 B104/B108

Under strictly equal conditions, the scattering coefficient of the neutral atoms is higher than that of the ions. There are 2 figures and 5 references: 4 Soviet and 1 non-Soviet. The reference to the English-language publication reads as follows: H. W. Berry, J. Appl. Phys., 8, 1219 (1958).

ASSCCIATION:

Institut yadernoy fiziki Akademii nauk UzSSR (Institute of Nuclear Physics of the Academy of Sciences Uzbekskaya SSR)

SUBMITTED: June 17, 1961

Card 2/2